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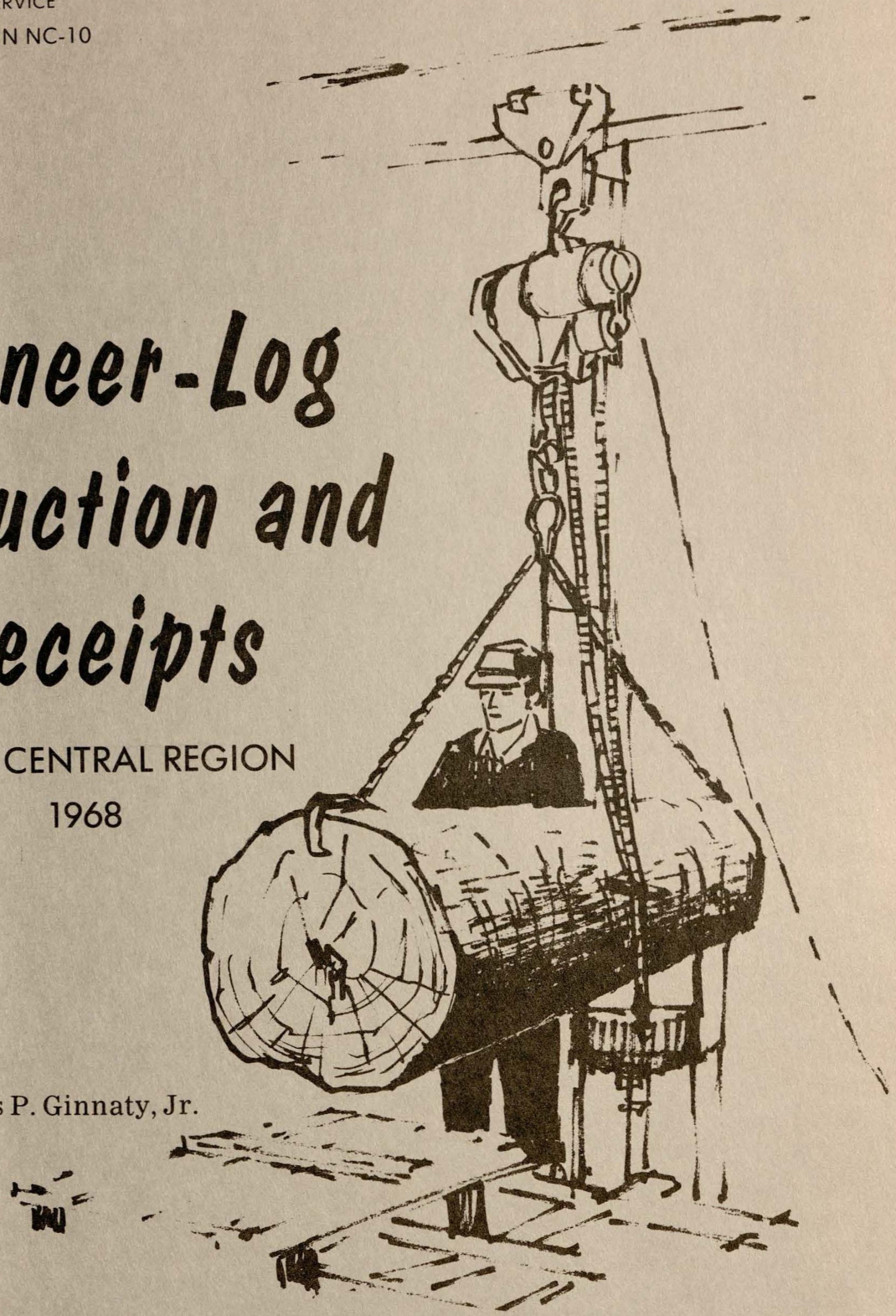
Veneer-Log Production and Receipts

NORTH CENTRAL REGION
1968



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NORTH CENTRAL FOREST EXPERIMENT STATION
FOREST SERVICE
U.S. DEPARTMENT OF AGRICULTURE

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Veneer-Log Production and Receipts, North Central Region, 1968

Thomas P. Ginnaty, Jr.

This report of 1968 veneer-log production[1] and receipts in the North Central Region is divided into two sections – Lake States (Minnesota, Wisconsin, and Michigan) and Central States (Indiana, Illinois, Iowa, and Missouri) – because the species grown and used in each area are different. In the Lake States hard maple, elm, basswood, red oak, and yellow birch dominate while in the Central States the hickories, the oaks, and walnut are more common.

Cooperation by most of the 42 standard and 29 container veneer mills in the North Central Region made this report possible (fig. 1, table 1). All but two mills reported their 1968 veneer-log receipts by species and State of origin. Receipts were estimated for the nonreporting mills. This paper does not include data on exports except those to Canada.

LAKE STATES

Production

Loggers in the Lake States harvested 45.5 million board feet of veneer logs in 1968, only 89 percent of that produced in 1966 (table 2). Thus the trend continues downward (fig. 2), although it has been more gradual since 1958. Hard maple continues to be the leading species cut, with yellow birch, red oak, and elm following in order of volume. Most of the volume harvested (40.6 million board feet) was used by mills cutting commercial, utility, and face veneers for doors, furniture, wall panels, specialty plywood, and similar items. The rest was used in the manufacture of boxes, baskets, and other containers. An additional 2,000 cords of heading stock were used by the container industry.

Wisconsin produced 21.0 million board feet of veneer logs. Red oak, hard maple, and elm accounted for 30, 19, and 15 percent, respectively. Wisconsin mills used nine-tenths of the veneer logs produced within the State and two-thirds of the total volume produced in the Lake States.

Michigan harvested 19.3 million board feet of veneer logs. Of the total, 32 percent was yellow birch and 28 percent was hard maple. Only 43 percent of the veneer logs produced was retained in Michigan while 42 percent was shipped to Wisconsin and 15 percent to other States. Michigan exported 67 and 43 percent of its yellow birch and hard maple logs, respectively, to Wisconsin.

Minnesota, while only harvesting 5.2 million board feet of veneer logs, shipped 68 percent of it to Wisconsin mills. Nine percent was retained and processed within the State. Three percent went to Michigan and the remainder was shipped to other States. Major species cut were red oak and elm.

The Lake States exported 5.8 million board feet of veneer logs in 1968 of which nine-tenths was shipped to Central States mills. The dominant species exported were walnut (1.7 million board feet or all the walnut produced) and hard maple (1.6 million board feet).

[1] *Production is the volume of veneer logs cut from a specific area; receipts are the volume of veneer logs received by mills in a specific area regardless of the geographic source.*

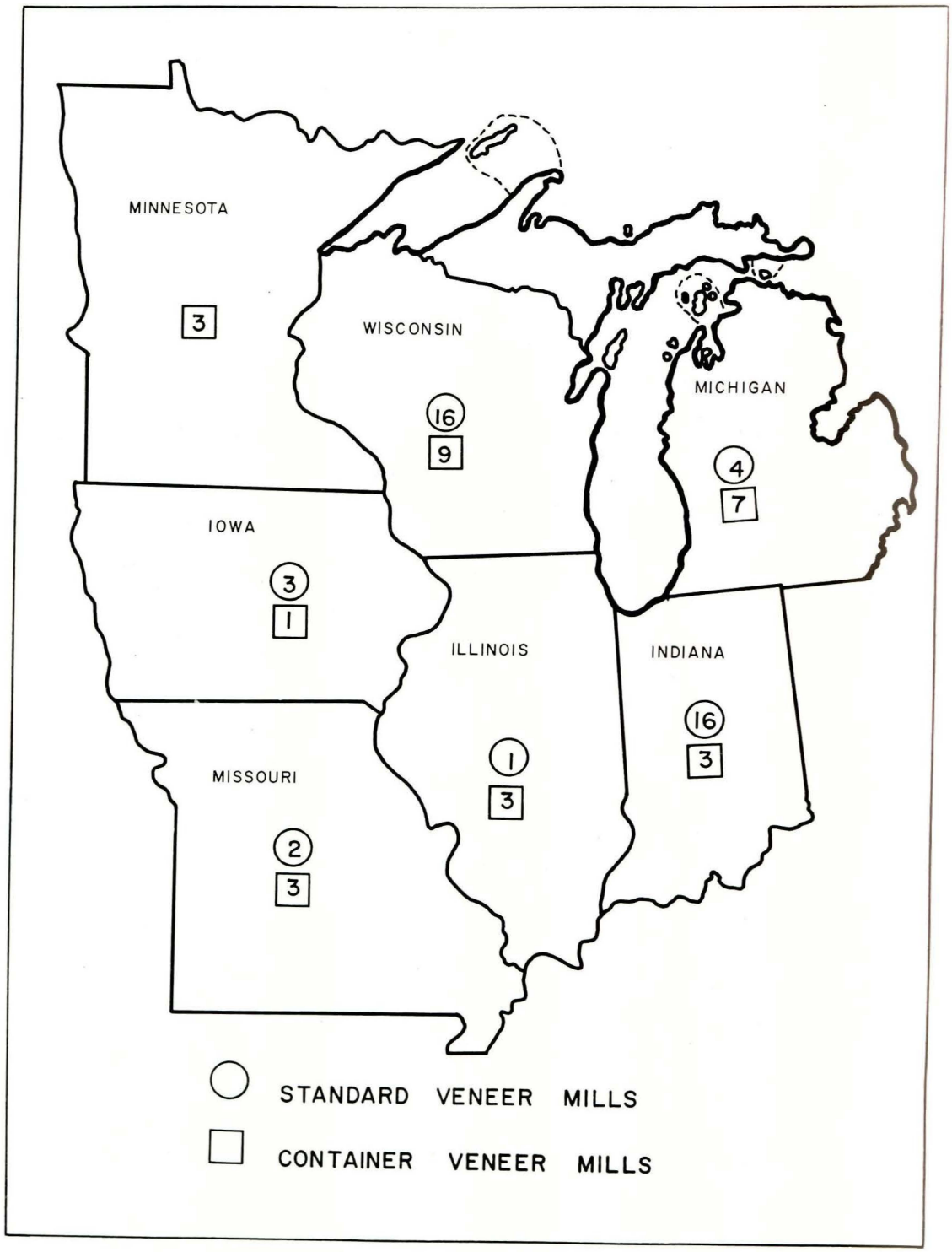


Figure 1. – Distribution of active veneer mills in the North Central States by State and type of mill, 1968.

Table 1. — *Active Veneer Mills in the North Central States by State and type of mill, 1968*

MINNESOTA

Type of mill	Number	Name of mill	Location
Standard	None		
Container	1	Bren Berry Box Mfg. Co.	Hopkins
	2	Elk River Box Co.	Elk River
	3	Wahkon Veneer Mills	Wahkon
WISCONSIN			
Standard	1	Birchwood Lumber & Veneer Co.	Birchwood
	2	Birchwood Mfg. Co.	Rice Lake
	3	Calumet & Hecla, Inc.	Goodman
	4	Calumet & Hecla, Inc.	Mellen
	5	Eggers Plywood Co.	Two Rivers
	6	General Plywood Corp.	Antigo
	7	Gillette Veneer & Plywood Co.	Gillett
	8	Hatley Veneer Co., Inc.	Hatley
	9	Larson Plywood Co., Inc.	Sheboygan
	10	Linwood, Inc.	Gillett
	11	Marion Plywood Corp.	Marion
	12	Northern Hardwood Veneer, Inc.	Butternut
	13	U.S. Plywood Corp.	Algoma
	14	Weber Veneer & Plywood Co.	Shawano
	15	Weyerhaeuser Co.	Marshfield
	16	Wisconsin Timber & Land Co.	Mattoon
Container	1	Brunette Box & Veneer Co.	Rice Lake
	2	Cooley Mfg. Co.	West Bend
	3	Dufeck Mfg. Co.	Denmark
	4	Ebner Box Factory	Cameron
	5	Konz Container Co.	Howard Grove
	6	Millersville Box Co.	Sheboygan
	7	Seymour Woodenware Co.	Seymour
	8	Standard Container Co.	Edgar
	9	Wauzeka Box Co.	Wauzeka
MICHIGAN			
Standard	1	Birdseye Veneer & Plywood Co.	Escanaba
	2	Manthei Bros.	Petoskey
	3	Plycoma Veneer Co.	Nashville
	4	Soo Veneer Co.	Sault Ste. Marie
Container	1	A. C. Hensel Mfg. Co.	Augusta
	2	American Made Veneer	Kalkaska
	3	Anderson Container Corp.	Stevensville
	4	Anthony & Co.	Escanaba
	5	Fruit Growers Package Co.	Paw Paw
	6	Riverside Package Co.	Riverside
	7	Walkinshaw Package Co.	Shelby

Type of mill	Number	Name of mill	Location
IOWA			
Standard	1	Manchester Industries, Inc.	Manchester
	2	R. S. Bacon Veneer Co.	Dubuque
	3	Spencer Hardwood Lumber Co.	Spencer
Container	1	Burlington Basket Co.	Burlington
MISSOURI			
Standard	1	Enterprise Veneer Corp.	Pleasant Hill
	2	Missouri Valley Walnut Co.	St. Joseph
Container	1	Betz Tipton Veneer Co.	Caruthersville
	2	Crumbliss Wood Products	Neosho
	3	Neosho Box & Wood Products	Neosho
ILLINOIS			
Standard	1	Swords Veneer & Lumber Co.	Rock Island
Container	1	Cobden Box & Basket Co.	Cobden
	2	Dongola Veneer Co., Inc.	Dongola
	3	Main Brothers Box & Lbr. Co.	Karnak
INDIANA			
Standard	1	Amos-Thompson Corp.	Edinburg
	2	B. L. Curry & Sons	New Albany
	3	Central Veneer, Inc.	Indianapolis
	4	Chester B. Stem, Inc.	New Albany
	5	Curry Miller Veneers, Inc.	Indianapolis
	6	David R. Webb Co.	Edinburg
	7	Evansville Veneer Co.	Evansville
	8	Hill Brothers Veneer Co., Inc.	Edinburg
	9	Hoosier Veneer Co., Inc.	Indianapolis
	10	Indiana Veneer, Inc.	Indianapolis
	11	Jasper Veneer Mills	Jasper
	12	Mitchell Industries	Greensburg
	13	National Veneer & Lumber Co.	Seymour
	14	Pierson-Holowell Co., Inc.	Lawrenceburg
	15	Roberts & Strack Veneer Co.	Clarksville
	16	Theising Veneer Co., Inc.	Mooresville
Container	1	Farrel Box Co., Inc.	Decker
	2	New Albany Box & Basket Co., Inc.	New Albany
	3	W. C. Redmon Sons, Inc.	Peru

Table 2. – *Production and imports of veneer logs, Lake States, 1968*
(Thousand board feet, International ¼-inch rule)

Species and destination	Production (Quantity of veneer logs cut in each State)				Imports			Lake States receipts1/
	Minnesota	Wisconsin	Michigan	Region total	Other States	Canada	Total imports	
Aspen								
Minnesota	13	--	--	13	--	--	--	13
Wisconsin	2	381	47	430	--	--	--	430
Michigan	--	--	173	173	--	--	--	173
Total	15	381	220	616	--	--	--	616
Ash2/								
Minnesota	110	--	--	110	--	--	--	110
Wisconsin	22	453	44	519	27	--	27	546
Michigan	--	--	328	328	24	--	24	352
Outside Lake States	--	8	11	19	--	--	--	--
Total	132	461	383	976	51	--	51	1,008
Basswood								
Minnesota	92	--	--	92	--	--	--	92
Wisconsin	723	2,039	256	3,018	312	--	312	3,330
Michigan	--	56	435	491	--	--	--	491
Outside Lake States	--	13	23	36	--	--	--	--
Total	815	2,108	714	3,637	312	--	312	3,913
Beech								
Wisconsin	--	39	79	118	--	--	--	118
Michigan	--	--	374	374	--	--	--	374
Total	--	39	453	492	--	--	--	492
White birch								
Minnesota	27	--	--	27	--	--	--	27
Wisconsin	116	34	28	178	--	1,916	1,916	2,094
Michigan	173	--	1,475	1,648	--	242	242	1,890
Total	316	34	1,503	1,853	--	2,158	2,158	4,011
Yellow birch								
Minnesota	3	--	--	3	--	--	--	3
Wisconsin	309	1,751	4,129	6,189	--	1,824	1,824	8,013
Michigan	--	89	1,929	2,018	--	168	168	2,186
Outside Lake States	--	23	91	114	--	--	--	--
Total	312	1,863	6,149	8,324	--	1,992	1,992	10,202
Butternut								
Minnesota	3	--	--	3	--	--	--	3
Wisconsin	1	11	--	12	--	--	--	12
Outside Lake States	44	384	1	429	--	--	--	--
Total	48	395	1	444	--	--	--	15
Black cherry								
Wisconsin	--	44	21	65	--	--	--	65
Michigan	--	10	151	161	12	--	12	173
Outside Lake States	16	19	31	66	--	--	--	--
Total	16	73	203	292	12	--	12	238
Cottonwood								
Minnesota	103	--	--	103	--	--	--	103
Wisconsin	699	200	--	899	593	--	593	1,492
Michigan	--	--	439	439	58	--	58	497
Total	802	200	439	1,441	651	--	651	2,092

(Continued on next page)

Table 2 continued

Species and destination	Production (Quantity of veneer logs cut in each State)				Imports			Lake States receipts[1]
	Minnesota	Wisconsin	Michigan	Region total	Other States	Canada	Total imports	
Elm								
Minnesota	32	--	--	32	--	--	--	32
Wisconsin	710	2,972	558	4,240	370	--	370	4,610
Michigan	--	16	573	589	--	--	--	589
Outside Lake States	182	235	81	498	--	--	--	--
Total	924	3,223	1,212	5,359	370	--	370	5,231
Hickory								
Michigan	--	--	172	172	182	--	182	354
Outside Lake States	--	--	21	21	--	--	--	--
Total	--	--	193	193	182	--	182	354
Hard maple								
Minnesota	27	--	--	27	--	--	--	27
Wisconsin	160	3,731	2,291	6,182	398	772	1,170	7,352
Michigan	--	66	1,505	1,571	--	--	--	1,571
Outside Lake States	--	98	1,540	1,638	--	--	--	--
Total	187	3,895	5,336	9,418	398	772	1,170	8,950
Soft maple								
Minnesota	72	--	--	72	--	--	--	72
Wisconsin	104	784	72	960	76	--	76	1,036
Michigan	--	--	183	183	--	--	--	183
Outside Lake States	--	15	--	15	--	--	--	--
Total	176	799	255	1,230	76	--	76	1,291
Red oak								
Wisconsin	631	6,154	326	7,111	868	8	876	7,987
Michigan	--	92	300	392	--	--	--	392
Outside Lake States	451	1	224	676	--	--	--	--
Total	1,082	6,247	850	8,179	868	8	876	8,379
White oak								
Wisconsin	41	124	--	165	1	--	1	166
Michigan	--	3	--	3	--	--	--	3
Outside Lake States	--	--	309	309	--	--	--	--
Total	41	127	309	477	1	--	1	169
Walnut								
Michigan	--	--	--	--	7	--	7	7
Outside Lake States	301	815	585	1,701	--	--	--	--
Total	301	815	585	1,701	7	--	7	7
Misc. species								
Wisconsin	--	136	150	286	34	--	34	320
Michigan	--	--	338	338	--	--	--	338
Outside Lake States	--	241	40	281	--	--	--	--
Total	--	377	528	905	34	--	34	658
All species								
Minnesota	482	--	--	482	--	--	--	482
Wisconsin	3,518	18,853	8,001	30,372	2,679	4,520	7,199	37,571
Michigan	173	332	8,375	8,880	283	410	693	9,573
Outside Lake States	994	1,852	2,957	5,803	--	--	--	--
Total	5,167	21,037	19,333	45,537	2,962	4,930	7,892	47,626

1/ Production minus exports plus imports.
2/ Veneer logs shipped to mills outside the Lake States.

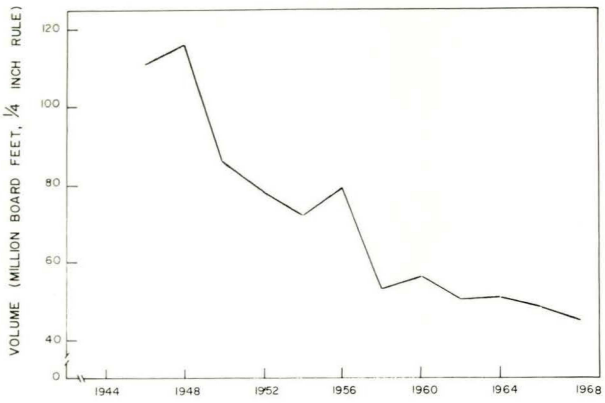


Figure 2. – Lake States veneer-log production, 1946-1968.

Mill Receipts

Lake States mills received 47.6 million board feet of veneer logs in 1968, a decline of 7.8 million board feet since 1966. Although most species declined, the major losses occurred in basswood, hard maple, and red oak. Reasons for the decline given by veneer mill operators were a desire to lower inventories, a shortage of quality veneer logs, reduced demand for furniture veneers produced in the region, and some finished veneers or veneer products were cheaper to import from other regions than to manufacture.

Basswood, long a favorite for veneer-core stock, is being replaced by aspen and cottonwood. Demand for hard maple and red oak veneer logs dropped because furniture styles changed to those requiring more pecan and white oak.

Of the 47.6 million board feet received at the mills, 39.7 million board feet came from the region, 4.9 million board feet from Canada, and the remainder from other States. Of the total imported from Canada, white and yellow birch were predominant. Cottonwood and red oak were the principal species from States outside the region.

Wisconsin receipts were 37.6 million board feet, predominately yellow birch, red oak, and hard maple. Half the volume came from Wisconsin, while Michigan, Minnesota, and Canada supplied 21, 9, and 19 percent, respectively. The remainder was imported from other States, mainly Iowa.

(F-501919)

Processing sliced walnut veneer.

Michigan mill receipts were 9.6 million board feet. Nearly 90 percent of this volume was produced in the State. The largest volumes received were yellow birch (23 percent), white birch (20 percent, and hard maple (16 percent).

Minnesota container mills, the only type of veneer mill in the State (fig. 1), received 0.4 million board feet of veneer logs. All the logs were produced within the State and the predominant species were cottonwood and ash.

CENTRAL STATES

Production

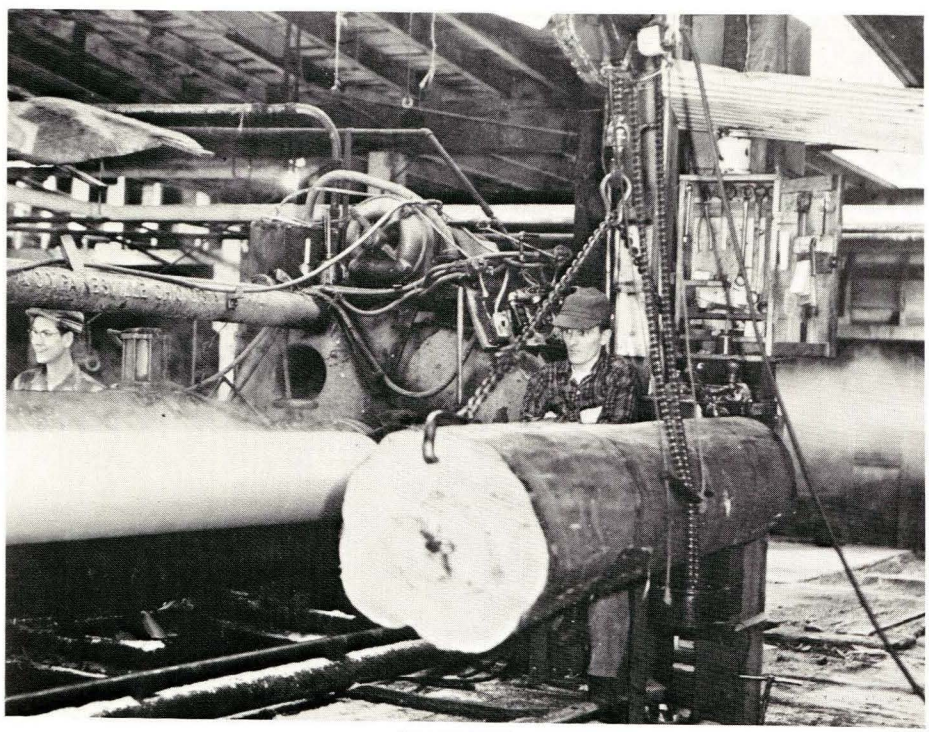
Loggers in the Central States produced 37.0 million board feet of veneer logs (table 3). There were sharp increases over 1966 in hickory, white oak, and walnut – species used for furniture veneer. Walnut, the major species produced in all the Central States, accounted for 44 percent of the total. Of the remainder, cottonwood, white oak, and hickory accounted for almost 30 percent. Walnut and hickory were the largest exports.

Indiana processed 87 percent of its own logs and 56 percent of all the veneer logs produced in the Central States. Illinois, Iowa, and Missouri exported most of their logs to other Central States.

Receipts

Log receipts at Central States mills amounted to 48.8 million board feet, slightly higher than in 1966. The receipts of hickory and white oak more than doubled. This resulted from the shift to furniture styles using these species. Walnut, while accounting for 38 percent of receipts, increased only slightly since 1966.

Almost four-tenths of the Central States log receipts were imported. Of this almost seven-tenths came from Wisconsin, Michigan, Ohio, Kentucky, and Kansas. Walnut, hickory, white oak, and cottonwood were the major species imported.



(F-501920)
Oak log being readied for processing on a rotary veneer rig.

Table 3. – *Production and imports of veneer logs, Central States, 1968*
(Thousand board feet, International ¼-inch rule)

Species	Destination	Production					Imports			Central States receipts[1]
		Indiana	Illinois	Iowa	Missouri	Region total	Other States	Canada	Total imports	
Ash	Indiana	398	--	--	--	398	242	--	242	640
	Other Central States[2]	--	13	84	18	115	58	--	58	173
	Outside Central States	12	--	26	--	38	--	--	--	--
	Total	410	13	110	18	551	300	--	300	813
Basswood	Indiana	7	--	--	--	7	23	--	23	30
	Other Central States	--	--	488	--	488	13	--	13	501
	Outside Central States	--	27	270	2	299	--	--	--	--
	Total	7	27	758	2	794	36	--	36	531
Black cherry	Indiana	111	12	14	--	137	534	--	534	671
	Other Central States	--	2	31	--	33	23	--	23	56
	Total	111	14	45	--	170	557	--	557	727
Butternut	Indiana	4	--	61	--	65	396	--	396	461
	Other Central States	--	2	38	1	41	32	--	32	73
	Total	4	2	99	1	106	428	--	428	534
Cottonwood	Indiana	999	154	--	--	1,153	103	--	103	1,256
	Other Central States	186	1,721	--	545	2,452	1,964	--	1,964	4,416
	Outside Central States	58	--	411	38	507	--	--	--	--
	Total	1,243	1,875	411	583	4,112	2,067	--	2,067	5,672
Elm	Indiana	36	--	24	--	60	400	--	400	460
	Other Central States	--	35	254	--	289	213	--	213	502
	Outside Central States	--	--	363	2	365	--	--	--	--
	Total	36	35	641	2	714	613	--	613	962
Gum	Indiana	513	110	--	--	623	186	--	186	809
	Other Central States	--	228	--	22	250	--	--	--	250
	Outside Central States	--	--	--	3	3	--	--	--	--
	Total	513	338	--	25	876	186	--	186	1,059
Hickory	Indiana	522	467	--	556	1,545	2,689	--	2,689	4,234
	Other Central States	--	55	32	345	432	260	--	260	692
	Outside Central States	6	421	--	618	1,045	--	--	--	--
	Total	528	943	32	1,519	3,022	2,949	--	2,949	4,926
Hard maple	Indiana	689	--	--	--	689	1,694	277	1,971	2,660
	Other Central States	--	--	56	--	56	19	--	19	75
	Outside Central States	138	--	398	7	543	--	--	--	--
	Total	827	--	454	7	1,288	1,713	277	1,990	2,735
Soft maple	Indiana	52	--	--	--	52	31	--	31	83
	Other Central States	--	78	109	60	247	208	--	208	455
	Outside Central States	--	--	73	15	88	--	--	--	--
	Total	52	78	182	75	387	239	--	239	538
Red oak	Indiana	513	--	--	--	513	664	--	664	1,177
	Other Central States	--	48	625	6	679	452	--	452	1,131
	Outside Central States	32	104	760	3	899	--	--	--	--
	Total	545	152	1,385	9	2,091	1,116	--	1,116	2,308
White oak	Indiana	2,563	317	--	9	2,889	1,952	--	1,952	4,841
	Other Central States	--	87	49	42	178	116	--	116	294
	Outside Central States	467	41	1	1	510	--	--	--	--
	Total	3,030	445	50	52	3,577	2,068	--	2,068	5,135
Sycamore	Indiana	610	--	--	--	610	155	--	155	765
	Other Central States	--	141	1	82	224	97	--	97	321
	Outside Central States	--	44	--	286	330	--	--	--	--
	Total	610	185	1	368	1,164	252	--	252	1,086
Yellow poplar	Indiana	1,268	--	--	--	1,268	637	--	637	1,905
	Other Central States	--	13	13	--	26	--	--	--	26
	Outside Central States	--	--	--	55	55	--	--	--	--
	Total	1,268	13	13	55	1,349	637	--	637	1,931
Walnut	Indiana	6,089	2,315	1,540	230	10,174	2,949	--	2,949	13,123
	Other Central States	--	420	1,769	1,581	3,770	1,476	--	1,476	5,246
	Outside Central States	1,291	250	120	486	2,147	--	--	--	--
	Total	7,380	2,985	3,429	2,297	16,091	4,425	--	4,425	18,369
Misc. species	Indiana	453	16	--	33	502	618	15	633	1,135
	Other Central States	--	55	72	36	163	128	--	128	291
	Outside Central States	--	--	--	8	8	--	--	--	--
	Total	453	71	72	77	673	746	15	761	1,426
All species	Indiana	14,827	3,391	1,639	828	20,685	13,273	292	13,565	34,250
	Other Central States	186	2,898	3,621	2,738	9,443	5,059	--	5,059	14,502
	Outside Central States	2,004	887	2,422	1,524	6,837	--	--	--	--
	Total	17,017	7,176	7,682	5,090	36,965	18,332	292	18,624	48,752

1/ Production minus exports plus imports.
2/ Illinois, Iowa, and Missouri were combined to avoid disclosure of individual mill operations.

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ABOUT THE FOREST SERVICE . . .

As our Nation grows, people expect and need more from their forests — more wood; more water, fish, and wildlife; more recreation and natural beauty; more special forest products and forage. The Forest Service of the U.S. Department of Agriculture helps to fulfill these expectations and needs through three major activities:

- Conducting forest and range research at over 75 locations ranging from Puerto Rico to Alaska to Hawaii.
- Participating with all State forestry agencies in cooperative programs to protect, improve, and wisely use our Country's 395 million acres of State, local, and private forest lands.
- Managing and protecting the 187-million acre National Forest System.

The Forest Service does this by encouraging use of the new knowledge that research scientists develop; by setting an example in managing, under sustained yield, the National Forests and Grasslands for multiple use purposes; and by cooperating with all States and with private citizens in their efforts to achieve better management, protection, and use of forest resources.

Traditionally, Forest Service people have been active members of the communities and towns in which they live and work. They strive to secure for all, continuous benefits from the Country's forest resources.

For more than 60 years, the Forest Service has been serving the Nation as a leading natural resource conservation agency.